

SNS COLLEGE OF ALLIED HEALTH SCIENCE, COIMBATORE -35
(Affiliated to the Tamil Nadu Dr M.G.R Medical University, Chennai)
B.Sc. CARDIOPULMONARY PERFUSION CARE TECHNOLOGY



SUBJECT: 1422 - CARDIO PULMONARY BYPASS AND PERFUSION TECHNOLOGY

UNIT I – HAEMODYNAMIC & METABOLIC ASPECTS OF BYPASS– QUESTION BANK

REFERENCE – THE TAMILNADU DR. M.G.R MEDICAL UNIVERSITY QUESTION PAPER

I. ELABORATE ON

10 MARKS

S.No	Question	Reference (Month/Year)	Bloom's Taxonomy
1	Hemodynamic aspects of Cardio Pulmonary Bypass	Aug 2013, Feb 2017	Understand, Analyze
2	Adequacy of Perfusion during Cardio Pulmonary Bypass	Feb 2016, April 2025	Apply, Evaluate
3	Acid Base management on Cardio Pulmonary Bypass	Feb 2016, April 2024	Understand, Analyze
4	Alpha stat and PH stat management	Aug 2018, Dec 2020, April 2025	Understand, Analyze
5	What is Ultrafiltration? Types, principles involved and fluid balance management during Bypass	Dec 2020, Sept 2022, April 2025	Understand, Apply

II. WRITE NOTES ON

5 MARKS

S.No	Question	Reference (Month/Year)	Bloom's Taxonomy
1	Coronary Perfusion	Aug 2013, Aug 2016	Understand
2	Partial Cardio Pulmonary Bypass	Feb 2016, Aug 2018, April 2025	Understand, Apply
3	Monitoring during Cardio Pulmonary Bypass	Feb 2016, Feb 2019, Aug 2021	Apply, Analyze
4	Effects of Cardio Pulmonary Bypass on brain, heart and lungs	April 2025	Understand, Analyze
5	Neurological effects of Cardio Pulmonary Bypass	April 2024	Understand
6	Oxygen Toxicity	Aug 2013, Feb 2017, Feb 2021, April 2024, Nov 2023	Understand

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S.No	Question	Reference (Month/Year)	Bloom's Taxonomy
7	Acid base balance	Aug 2014	Understand

III. WRITE SHORT NOTES ON

3 MARKS

S.No	Question	Reference (Month/Year)	Bloom's Taxonomy
1	Hematocrit	Aug 2013, Aug 2014, Feb 2016, Aug 2016, Aug 2021	Remember, Apply
2	Hematocrit management on Cardiopulmonary Bypass	Feb 2016, Aug 2019, April 2025	Analyze
3	Circuit alarms	Aug 2013, Aug 2014, Feb 2017, Nov 2023	Remember, Apply
4	Priming volume	Aug 2013, Aug 2014, Aug 2016, Feb 2017, Aug 2017, Feb 2019, Nov 2023	Remember, Apply
5	List causes of low venous return	Sept 2022, Nov 2023, Jan 2025	Remember, Analyze
6	Electrolyte imbalance	Aug 2013, Aug 2016, April 2024	Remember, Apply
7	Hyperkalemia and its treatment	Aug 2015, Aug 2016, Aug 2021, April 2024, Nov 2023	Remember, Apply
8	Preload	Feb 2016, Sept 2022	Remember
9	Afterload, causes of increased afterload	Feb 2016, Feb 2019	Remember, Analyze
10	Diastolic augmentation	Sept 2022, April 2025	Remember